

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Patent Application**

Applicant(s): Edler et al.  
Case: 1-4  
Serial No.: 09/586,072  
Patent No.: 7,110,953  
Issue Date: September 19, 2006  
Group: 2626  
Examiner: Qi Han

Title: Perceptual Coding of Audio Signals Using Separated Irrelevancy Reduction and Redundancy Reduction

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REQUEST FOR CERTIFICATE OF CORRECTION OF  
PATENT FOR PTO MISTAKE(S) UNDER 37 C.F.R. 1.322(a)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.322, the patentee for the above-identified patent hereby requests the issuance of a Certificate of Correction with respect to errors in the above-identified patent.

The errors are set forth on the proposed Certificate of Correction (PTO-1050) submitted herewith, in duplicate.

There is no additional fee due in conjunction with this Certificate of Correction. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error.

Respectfully,



Date: March 20, 2007

Kevin M. Mason  
Attorney for Applicant(s)  
Reg. No. 36,597  
Ryan, Mason & Lewis, LLP  
1300 Post Road, Suite 205  
Fairfield, CT 06824  
(203) 255-6560

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,110,953  
DATED : September 19, 2006  
INVENTOR(S) : Edler et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the section entitled "Other Publications" include the following two references:

-- Huang et al., "Statistical Prediction for Low-Bit Rate/High Quality Sound Coding,"  
Seminars Statistics and Data Mining Research; Bell Laboratories,  
[http://cm.bell-labs.com/cm/ms/departments/sia/seminars/abs\\_seminars.html#tue\\_d\\_Yu](http://cm.bell-labs.com/cm/ms/departments/sia/seminars/abs_seminars.html#tue_d_Yu),  
Downloaded on February 24, 2003. --

-- Painter, I., "Perceptual Coding of Digital Audio," Proceedings of the IEEE, vol. 88, no. 4,  
pgs. 451-515 (April 2000) --

A 1449 form sent by Applicants, considered by the Examiner on September 17, 2003, included these two references. They, however, were not initialed by the Examiner and consequently do not appear on the face of the patent as they properly should. The Examiner, subsequently, on November 1, 2006, mailed a corrected version of the 1449 form in question, a copy of which is attached hereto.

In the section entitled "Abstract" please delete the final two sentences that begin "The characteristics of the pre-filter may be adapted to the masked thresholds...." and "Likewise, the filter coefficients may be efficiently transmitted....." respectively.

In column 3, line 61, replace "FIR" with -- Finite Impulse Response (FIR) --.

MAILING ADDRESS OF SENDER:

Ryan, Mason & Lewis, LLP  
1300 Post Road - Suite 205  
Fairfield, Connecticut 06824

PATENT NO 7,110,953

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,110,953  
DATED : September 19, 2006  
INVENTOR(S) : Edler et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 3, line 62, replace "IIR" with -- Infinite Impulse Response (IIR) --.

In column 5, line 6, before "analysis/modeling" and after "of" replace "LPC" with -- linear-predictive coefficient (LPC) --.

In column 5, line 9, replace "LSPs" with -- line spectral pairs (LSPs) --.

In column 5, after the paragraph ending on line 31, insert the following sentence:  
-- In the case of an image signal, the adaptive filter is controlled in a way that the magnitude response approximates an inverse of a corresponding visibility threshold, as would be apparent to a person of ordinary skill in the art. --

This sentence was included in an amendment by the Applicants dated July 2, 2003, yet does not appear in the issued patent.

In column 5, line 47, before "representation" and after "LSP" delete -- (line spectral pairs) --.

In column 6, line 32, before "filter" and after "to an" replace "IIR" with -- infinite impulse

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PATENT NO 7,110,953

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UNITED STATES DEPARTMENT OF COMMERCE  
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Alexandria, Virginia 22313-1450



APPLICATION NO / CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO
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EXAMINER
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ART UNIT	PAPER
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20061017

DATE MAILED:

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner for Patents**

This communication is responsive to the applicant's telephone call, made by Kevin M. Mason (Reg. No. 36,597) on 10/17/2006, for requesting examiner's signature/initial on the corresponding IDS information filed on 6/19/2003. By checking the record of this case, the instant application has been patented, issue fee has been paid, and the IDS filed on 6/19/2003 has been originally considered and signed by the examiner in the returned 1449 form filed on 9/25/2003. However, two of the four articles erroneously missed the examiner's initials. Now, with this miscellaneous office action, the examiner has corrected the error and initialed on the two articles in the returned 1449 form (see the attachment).

*AK-AS* 10/26/06  
ABUL AZAD  
PRIMARY EXAMINER

## FORM PTO-1449 (MODIFIED)

LIST OF PUBLICATIONS FOR  
APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT

Applicant: Edler et al.  
Case: 1-4  
Serial No.: 09/586,072  
Filing Date: June 2, 2000  
Group: 2654



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION YES NO
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## OTHER DOCUMENTS

EXAMINER INITIAL	REF NO.	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
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2M Edler et al., "Audio Coding Using a Psychoacoustic Pre- And Post-Filter," Proc. IEEE Int. Conf. Acoustics, Speech and Signal Processing, vol. II, 6-9, pgs. 881-884 (June 2000).

24 Huang et al., "Statistical Prediction for Low-Bit Rate/High Quality Sound Coding," Seminars Statistics and Data Mining Research; Bell Laboratories, [http://cm.bell-labs.com/cm/ms/departments/sia/seminars/abs\\_seminars.html#tue\\_d\\_Yu](http://cm.bell-labs.com/cm/ms/departments/sia/seminars/abs_seminars.html#tue_d_Yu), Downloaded on February 24, 2003.

24 Sinha et al., "The Perceptual Audio Coder (PAC)," The Digital Signal Processing Handbook; Madiseti V.K., Douglas, B.W. (Eds); CRC Press, IEEE Press, pgs. 42-1 - 42-18 (1998).

24 Painter, T., "Perceptual Coding of Digital Audio," Proceedings of the IEEE, vol 88, no. 4, pgs. 451-515 (April 2000).

RECEIVED

JUN 20 2003

Technology Center 2600

Examiner

Date Considered

9/17/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.